

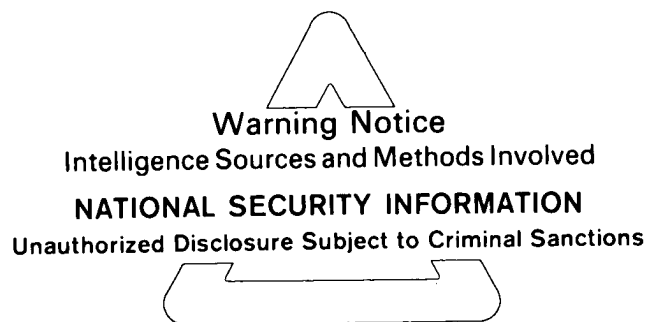
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1	<i>Archives</i>		
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CONTROL NO. 2-11285/81
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Attachment to Z-11285/81

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NPIC/IEG

29 JUNE 1981

PROBABLE RADAR ON UNIDENTIFIED OBJECT
EMBA MISSILE TEST CENTER LAUNCH COMPLEX, USSR

1. (S/D) SIGNIFICANCE: A PROBABLE RADAR HAS BEEN OBSERVED ON THE UNIDENTIFIED OBJECT AT PAD B-1, EMBA MISSILE TEST CENTER LAUNCH COMPLEX.

2. (S/D) REMARKS: [REDACTED] A PROBABLE TRUNCATED PARABOLIC ANTENNA SCREEN WAS OBSERVED ON THE UNIDENTIFIED OBJECT AT PAD B-1, LAUNCH AREA B OF THE EMBA MISSILE TEST CENTER LAUNCH COMPLEX [REDACTED]. THE PROBABLE ANTENNA WAS ERECTED AND IN MOTION ON ONE END OF THE UNIDENTIFIED OBJECT WHICH WAS MOUNTED ON A PLATFORM. MEASUREMENT OF THE ANTENNA SCREEN SHADOW REVEALED A LONG AXIS DIMENSION OF APPROXIMATELY [REDACTED] METERS. NO SHORT AXIS DIMENSION COULD BE OBTAINED. IN ADDITION, THE ANTENNA SCREEN IS PROBABLY SOLID IN CONSTRUCTION WITH NO DISCERNIBLE FEED STRUCTURE. THE RADAR MAY HAVE BEEN PRESENT AS EARLY AS [REDACTED], WHEN THE UNIDENTIFIED OBJECT WAS FIRST SEEN ON THE PLATFORM, ALTHOUGH [REDACTED] WAS THE EARLIEST DATE ON WHICH THE SCREEN COULD BE CONFIRMED. ON SEVERAL OCCASIONS, THE TOP OF THE PLATFORM HAS BEEN COMPLETELY COVERED BY A SHELTER WHICH FOLDS TO THE OPEN POSITION ON THE NORTH END OF THE PLATFORM.

(S/D) IN ADDITION, A T-SHAPED OBJECT OF UNKNOWN FUNCTION IS CENTERED ON THE TOP OF THE UNIDENTIFIED OBJECT. THE HORIZONTAL PART OF THE "T" IS [REDACTED] AND THE VERTICAL PART IS [REDACTED]

(S/D) ANALYST'S COMMENTS -- SINCE 1978 MAJOR MODIFICATIONS AND NEW CONSTRUCTION HAVE BEEN UNDERWAY AT PAD B-1. THIS ACTIVITY, WHICH WAS COMPLETED IN LATE 1980, SUGGESTED A NEW TACTICAL SURFACE-TO-AIR MISSILE (SAM) TEST PROGRAM OR MODIFICATIONS TO AN EXISTING SAM SYSTEM WOULD OCCUR IN THIS AREA. THE ARRIVAL OF THE UNIDENTIFIED OBJECT IN JANUARY 1981 CONFIRMED THAT A TEST PROGRAM OF AN UNDETERMINED TYPE WAS UNDERWAY.

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered valid only for the reporting period as indicated by the date of issue.

WARNING NOTICE
Intelligence Sources
and Methods Involved

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NPIC/IEG

29 JUNE 1981

(S/D) ALTHOUGH NO MISSILES, MISSILE RACKS, OR MISSILE RAILS HAVE BEEN SEEN ON THE UNIDENTIFIED OBJECT, THERE IS ADEQUATE ROOM FOR SUCH A CONFIGURATION. THE UNIDENTIFIED OBJECT IS [REDACTED] METERS IN LENGTH AND [REDACTED] IN WIDTH. IF THIS OBJECT IS A MISSILE LAUNCHER WITH AN ONBOARD RADAR, THE SIZE OF THE MISSILE/ MISSILES IT COULD MOUNT WOULD BE SMALL, PROBABLY IN THE 2- TO 4-METER LENGTH RANGE. DUE TO THE PRESENCE OF THE PLATFORM, IT CANNOT BE DETERMINED IF THE UNIDENTIFIED OBJECT IS A NON-MOBILE PROTOTYPE SYSTEM, OR IF IT IS ATTACHED TO A VEHICLE CONCEALED UNDER THE PLATFORM. THE SIZE AND CONFIGURATION OF THE PROBABLE RADAR SCREEN ARE SIMILAR TO THE LAND ROLL TARGET SURVEILLANCE/ ACQUISITION RADAR ON THE SA-8 TRANSPORTER-LAUNCHER AND RADAR (TLAR)/TRANSPORTER-ERECTOR-LAUNCHER AND RADAR (TELAR). UNTIL MAY 1980, WHEN ALL SA-8 SYSTEM TESTING ACTIVITY WAS MOVED TO PAD B-3, PAD B-1 HAD BEEN USED EXCLUSIVELY FOR SA-8 TESTING ACTIVITY.

(S/D) BASED ON THE SIZE AND CONFIGURATION OF THE PROBABLE RADAR SCREEN, THE SMALL SIZE OF THE POSTULATED MISSILES THAT COULD BE ACCOMMODATED ON THE UNIDENTIFIED OBJECT, AND THE PAST ASSOCIATION OF PAD B-1 WITH THE SA-8 OR AN UPGRADING PROGRAM FOR THE SA-8 MISSILE SYSTEM MAY BE UNDERWAY AT PAD B-1.

3. (S) [REDACTED] COORDINATES, 48-31-03N 58-02-07E

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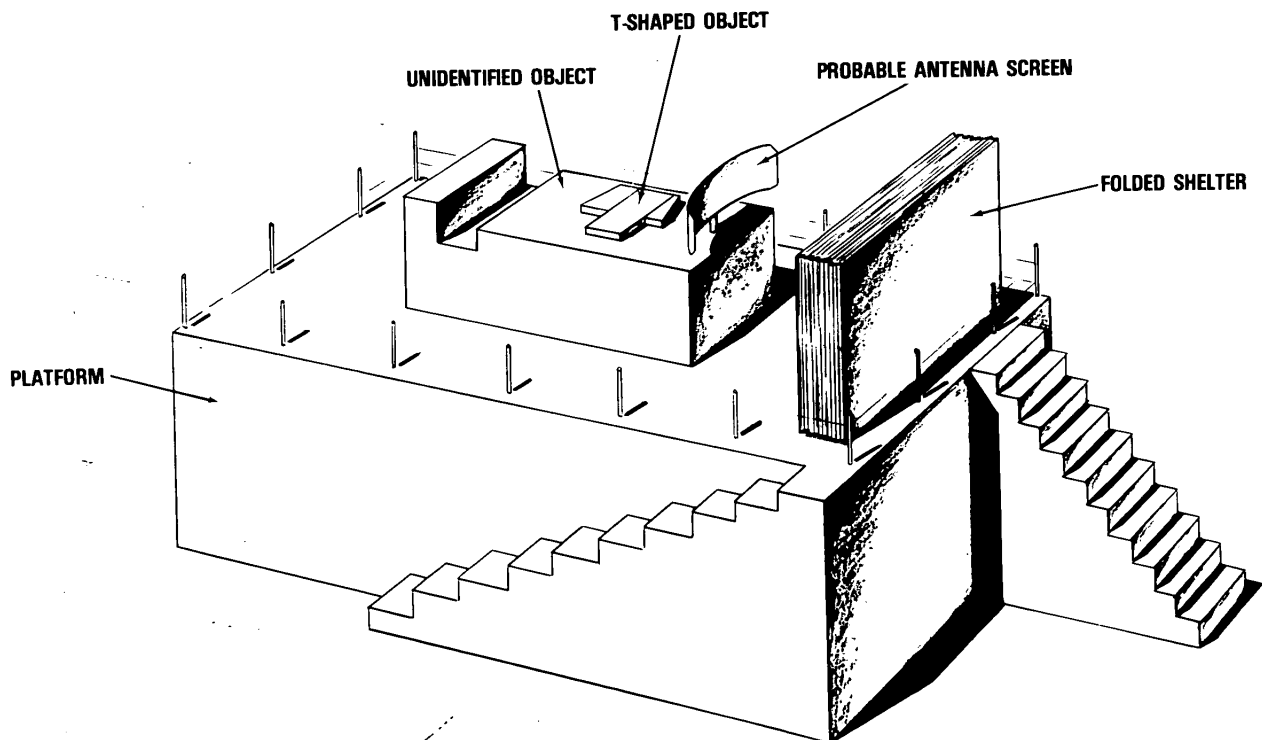
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CONCEPTUAL DRAWING OF PROBABLE RADAR ON UNIDENTIFIED OBJECT

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